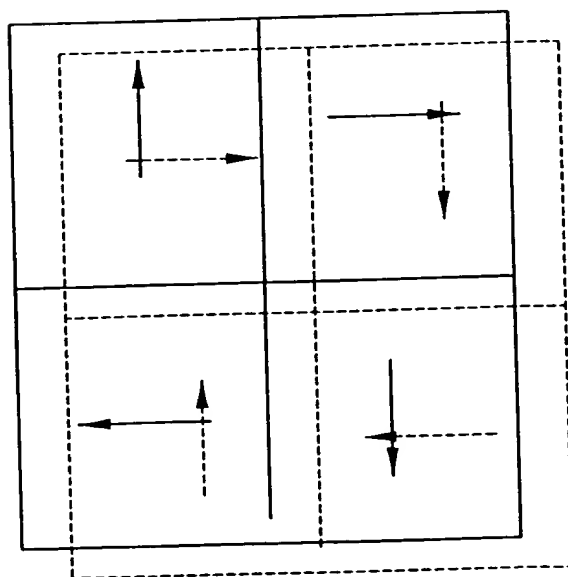
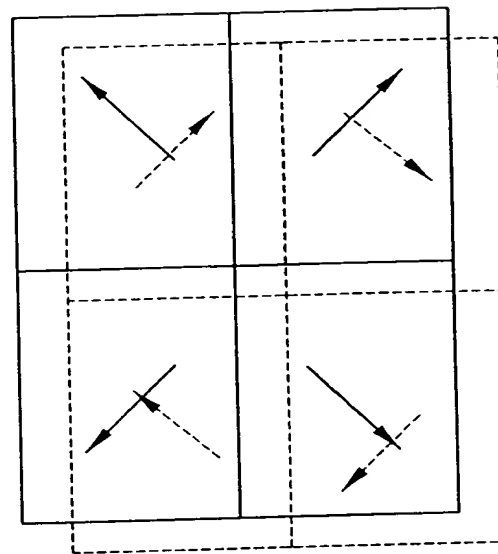
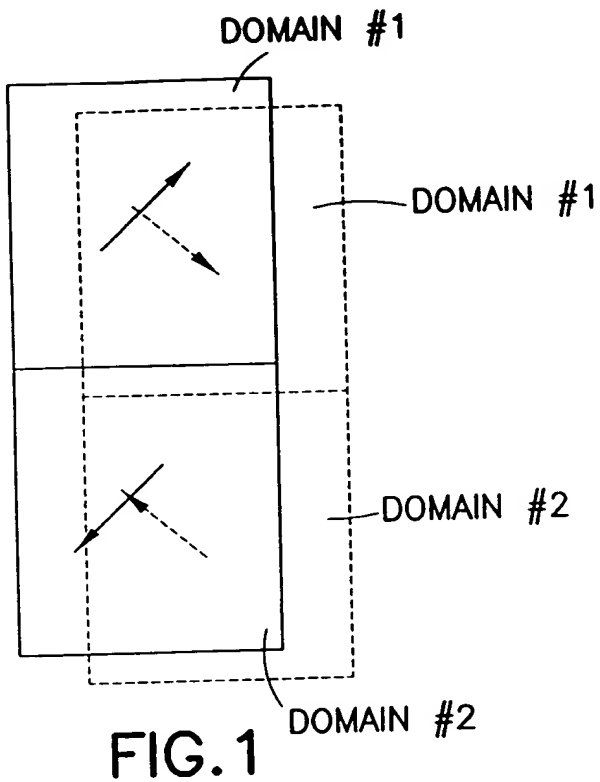


liquid-crystal alignment layer over said first transparent conductive layer, 83; a second dry deposited liquid-crystal alignment layer over said second transparent conductive layer; said second dry deposited liquid-crystal alignment layer being spaced adjacent to and facing said first dry deposited liquid-crystal alignment layer, 94; a plurality of uniformly sized transparent or non-transparent spacers distributed within said space, 96; and a liquid-crystal material disposed in the space therebetween, 95. A plurality of pixels each having a boundary and at least two domains wherein each of said multi-domain, dry deposited liquid-crystal alignment layers is obtained by a method selected from the group consisting of mechanical mask, photo-resist, UV treatment and ridge and field methods is represented by Figs. 1 to 8.

Each element of claim 31 is clearly supported by drawings 11a, 11b and 12. Specifically, drawing 11a shows a bottom polarizer, 80; a bottom substrate, 81; a top polarizer, 90; a top substrate, 91; a color filter layer disposed over a surface of said top substrate, 92; and a plurality of common electrodes, 84 disposed in the bottom substrate plane and a plurality of pixel electrodes, 85. Fig. 11b illustrates a staggering relationship forming a comb-like structure. Fig. 12 illustrates the application of an electric field parallel to plane of the bottom substrate so that when operated, the molecules of said liquid-crystal material are switched to rotate by said vertical electric field in a direction parallel to the substrate surface. Referring again to Fig. 11a, the following are clearly illustrated: a first dry deposited liquid-crystal alignment layer, 83; over said bottom substrate, 81; and said comb-like electrodes, 85; a second dry deposited liquid-crystal alignment layer over said color filter layer, 94; said second dry deposited liquid-crystal alignment layer being spaced adjacent to and facing said first dry deposited liquid-crystal alignment, 94; a plurality of uniformly sized transparent or non-transparent spacers distributed within said space, 96; and a liquid-crystal material disposed in the space therebetween, 95.



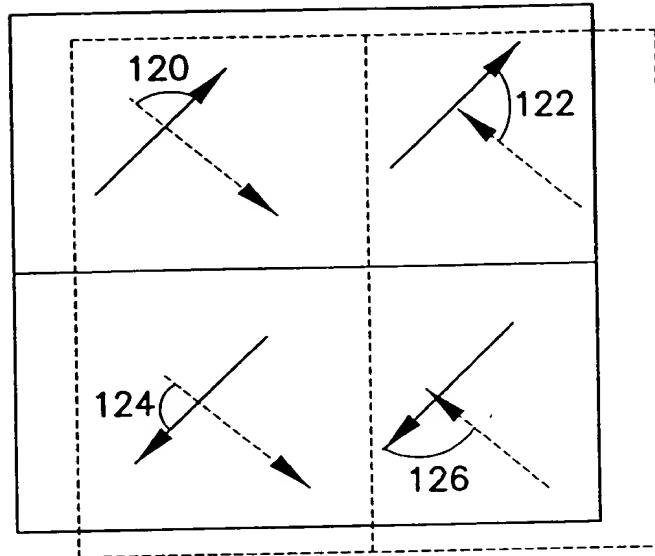


FIG. 4

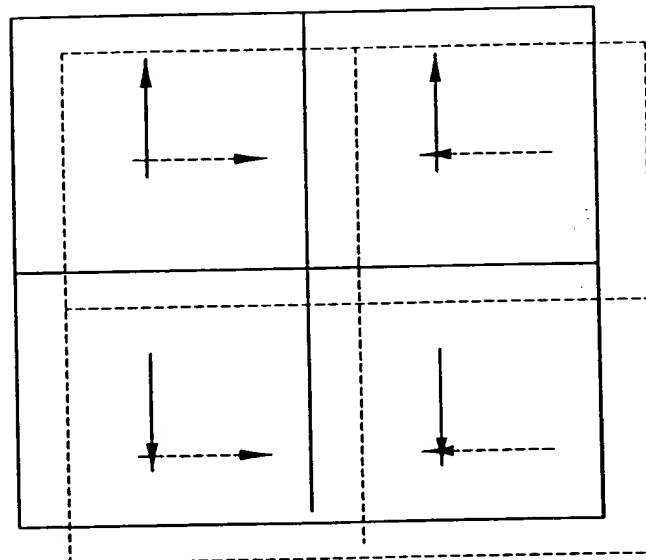


FIG. 5

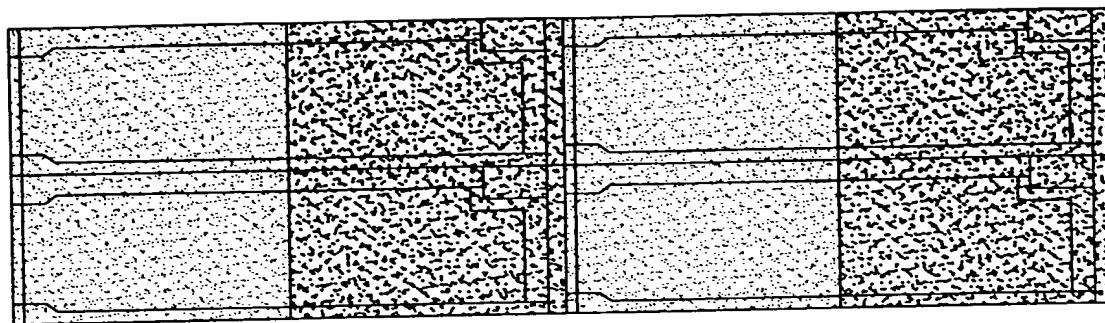


FIG. 6d

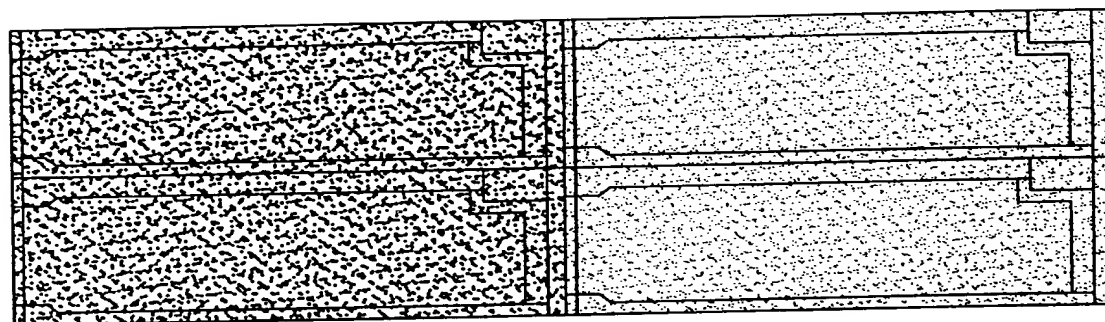


FIG. 6c

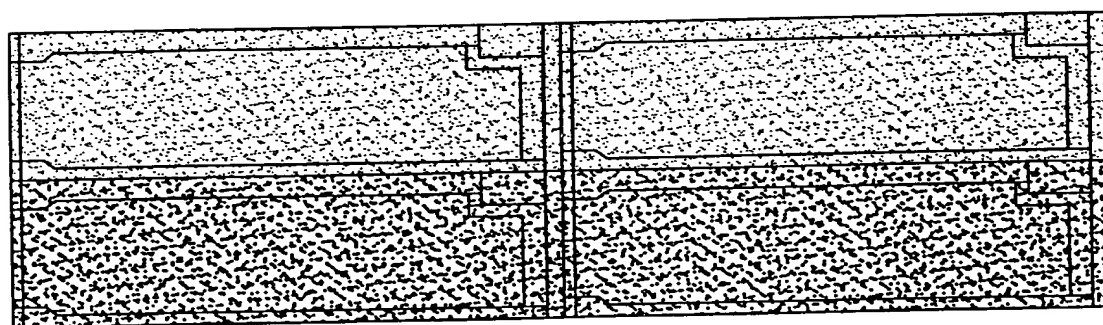


FIG. 6b

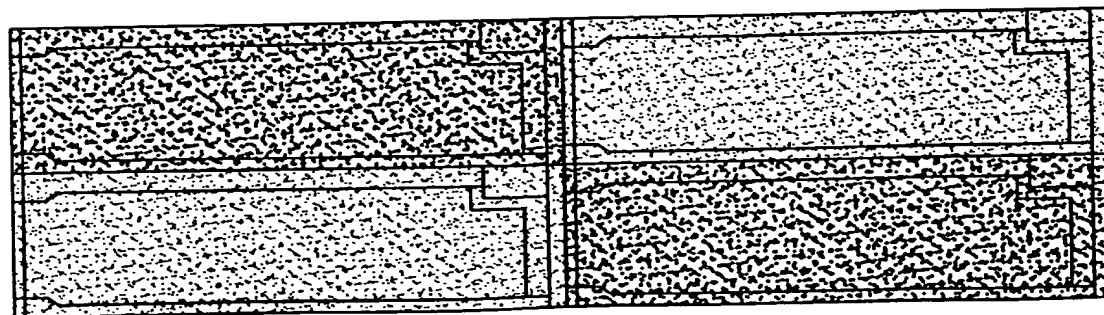


FIG. 6a

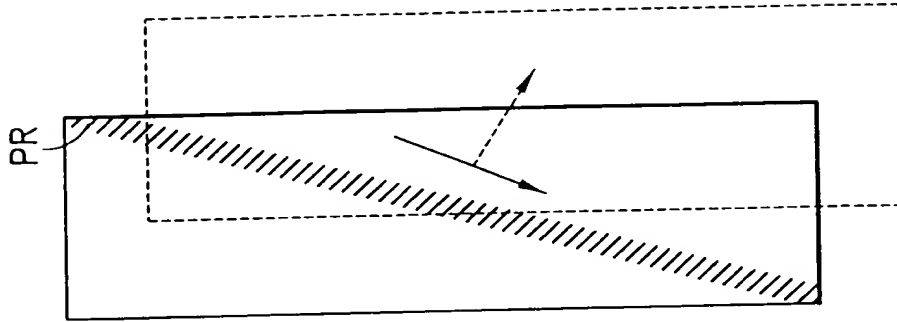


FIG. 8b

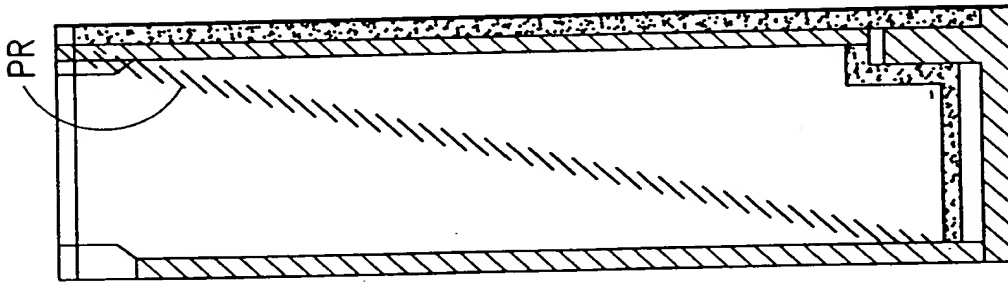


FIG. 8a

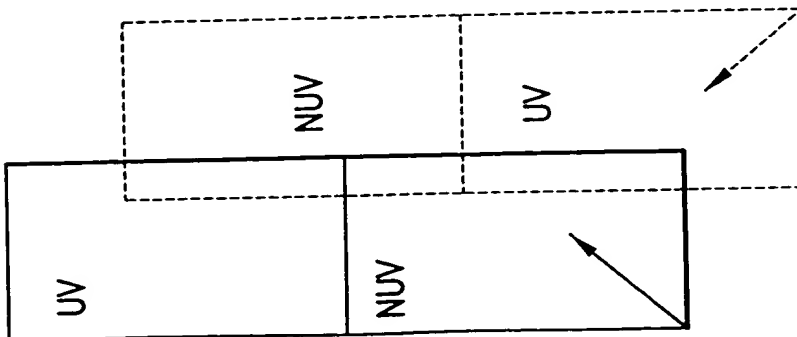
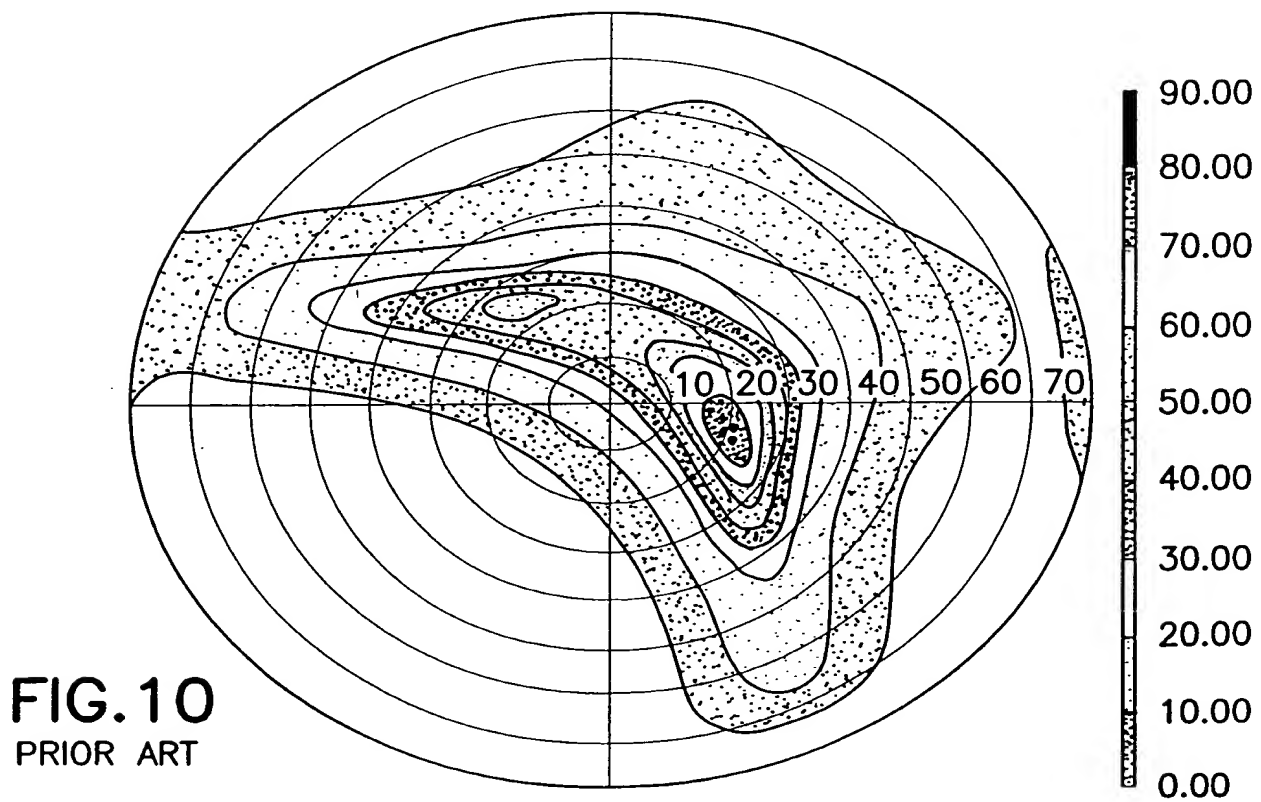
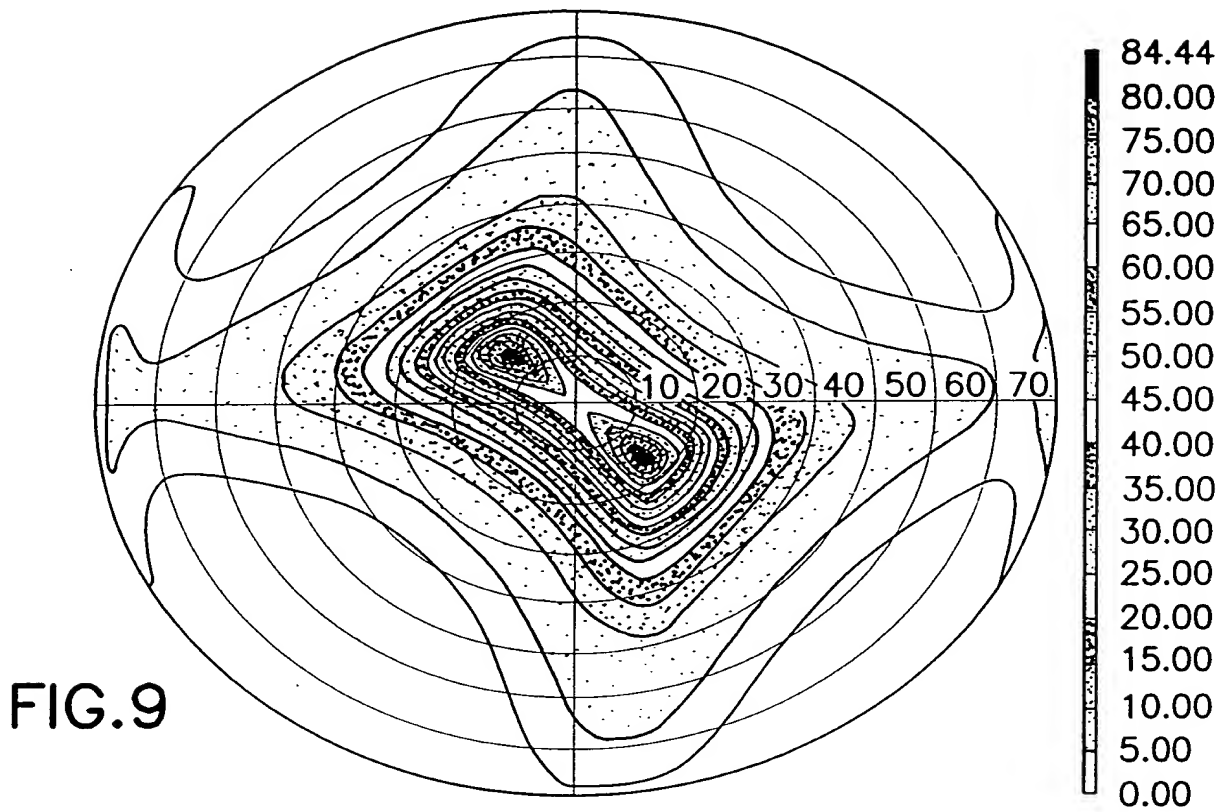


FIG. 7



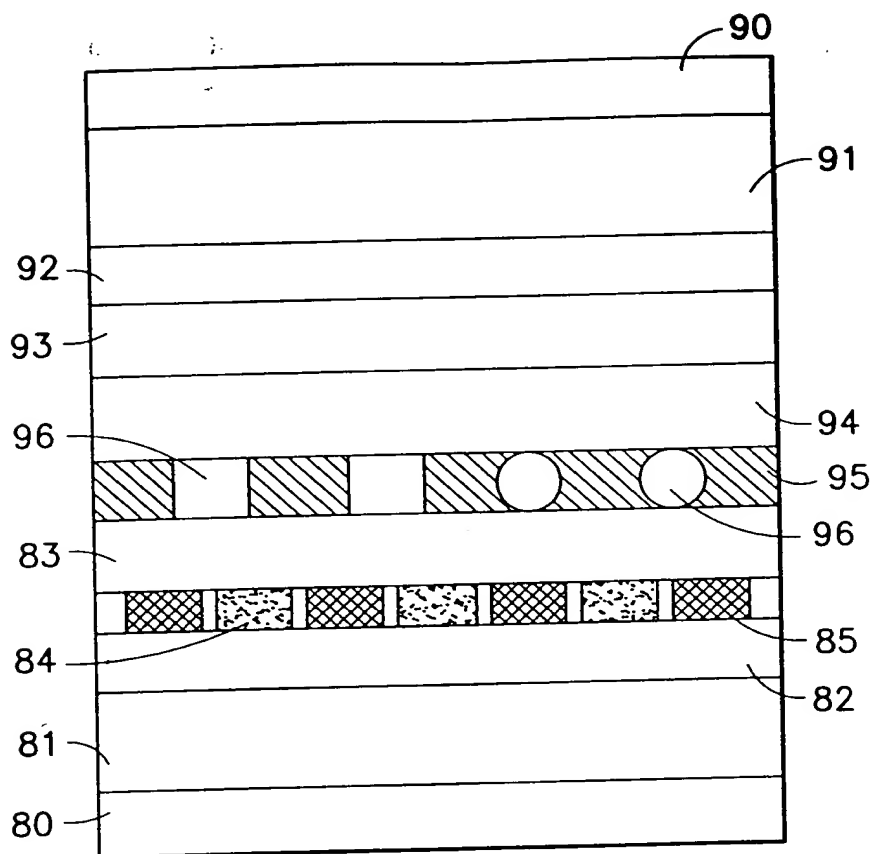


FIG. 11a

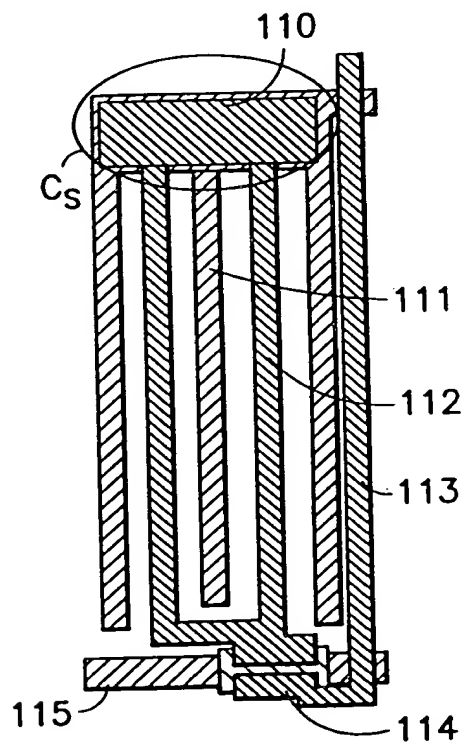


FIG. 11b

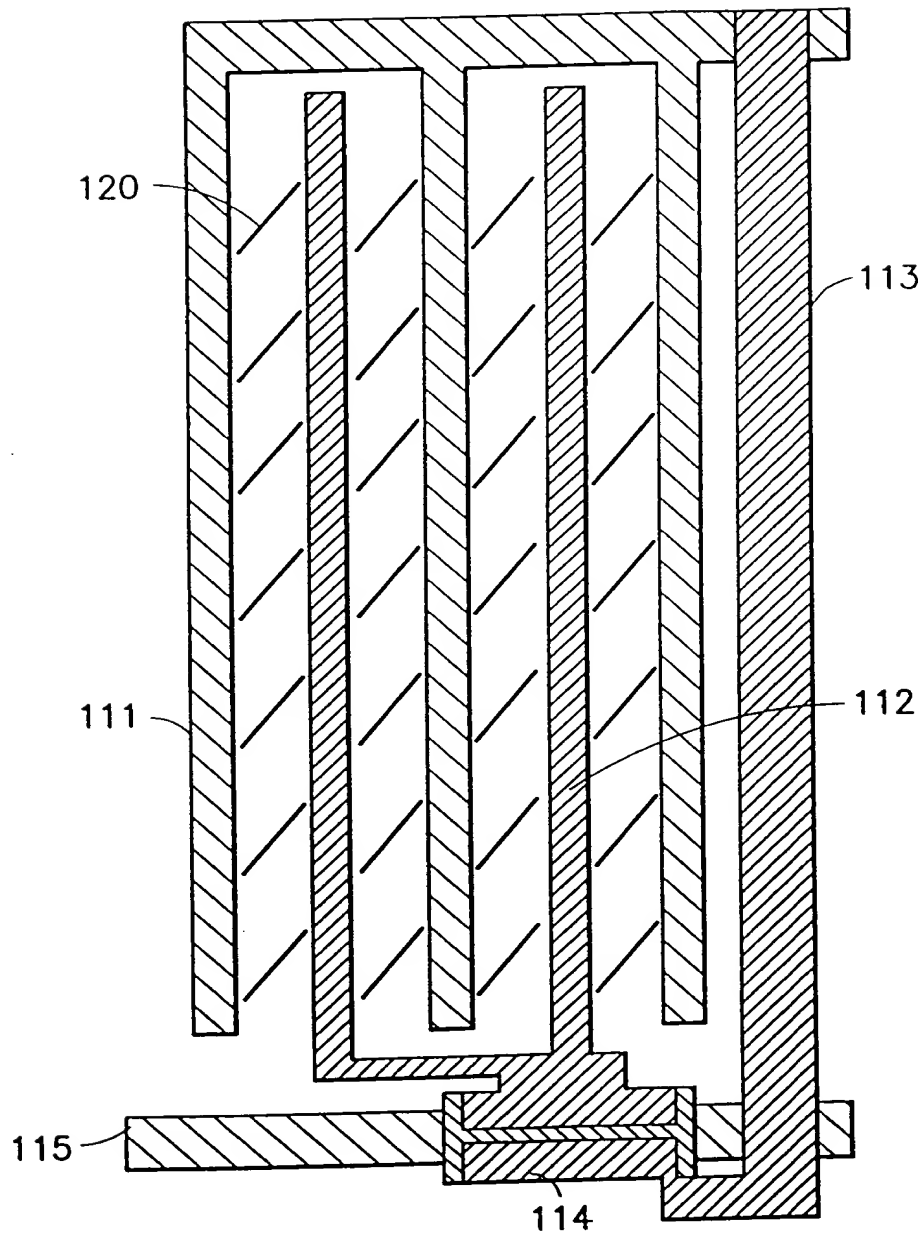


FIG.12



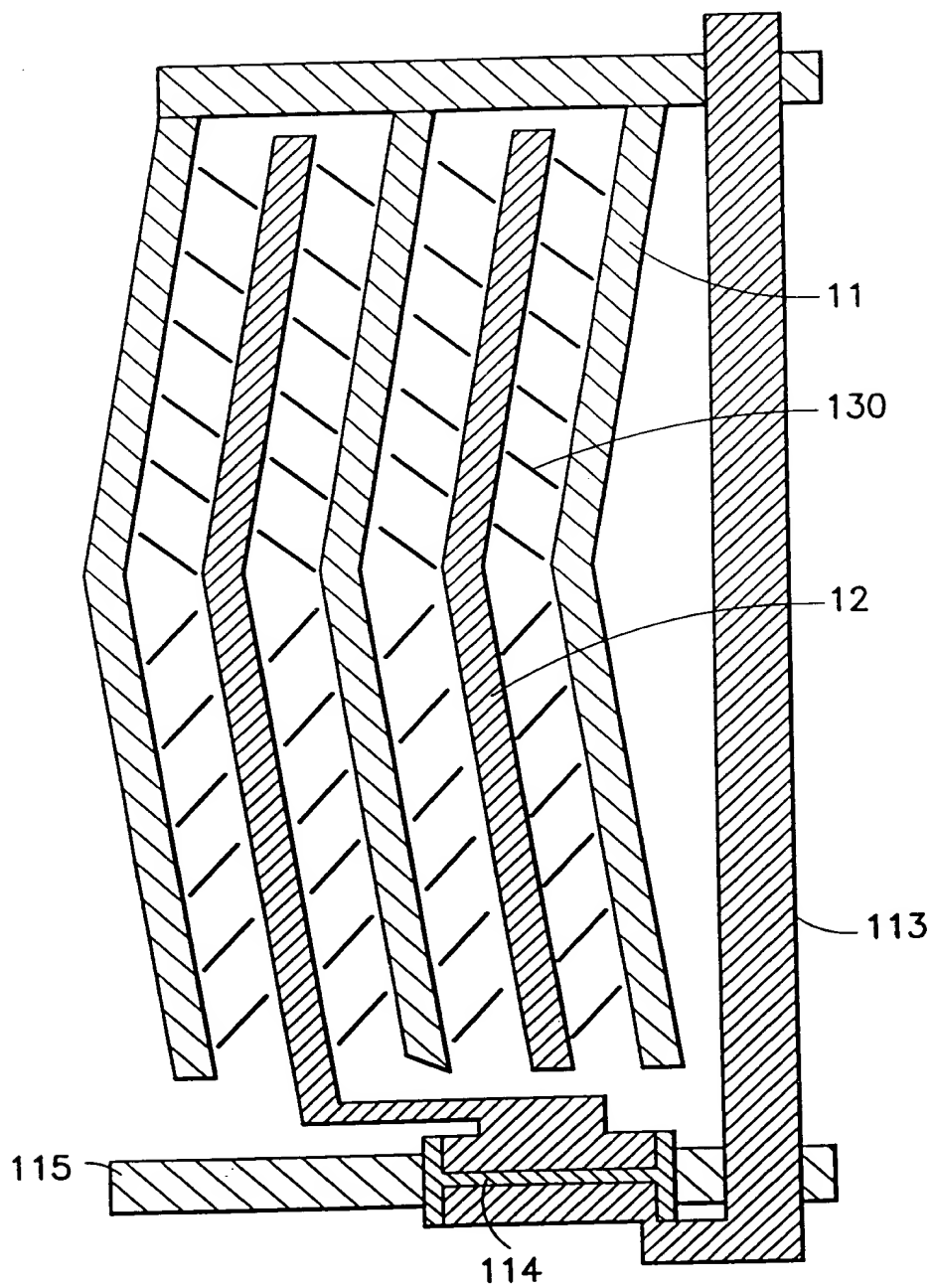


FIG.13

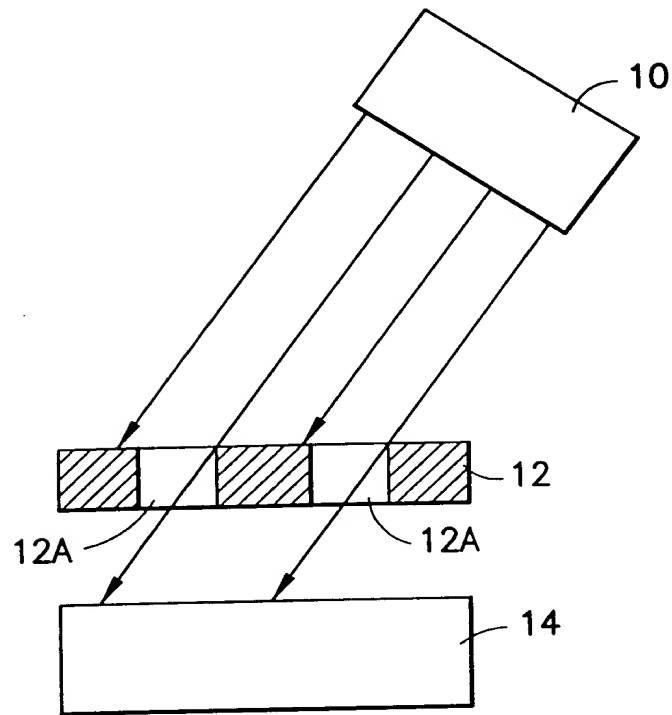


FIG. 14a

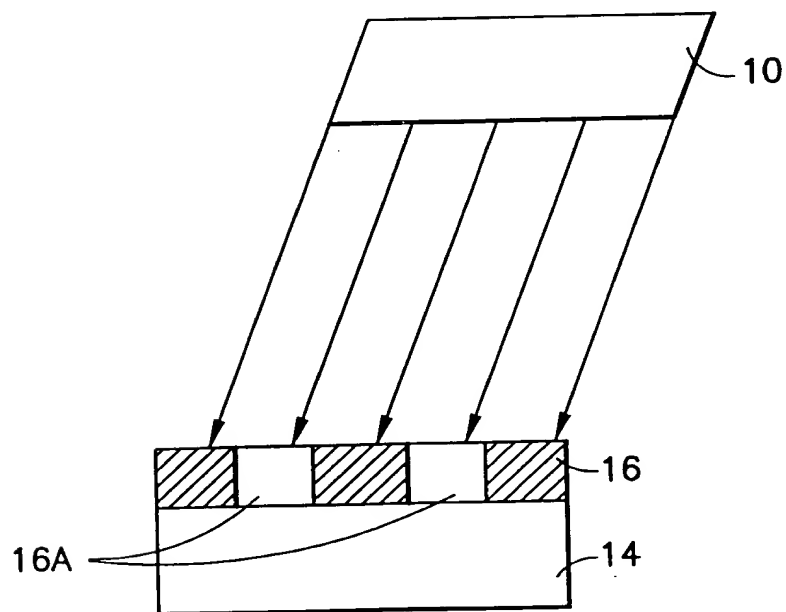


FIG. 14b